

Claims:

1. (previously presented) A method of reforming diesel fuel, comprising:  
supplying a liquid fuel consisting essentially of diesel fuel to a fractional  
distillation device in fluid communication with a reformer;  
fractionally distilling said diesel fuel to produce a light fuel stream and a heavy  
fuel stream; and  
reforming said light fuel stream in said reformer to produce a reformat.
2. (original) The method of Claim 1, further comprising burning said heavy  
fuel stream in a burner to generate thermal energy.
3. (previously presented) The method of Claim 19, wherein said reformer  
comprises a steam reformer.
- 4 - 17. (cancelled)
18. (previously presented) The method of Claim 1, wherein said diesel fuel  
comprises hydro-treated diesel fuel.
19. (previously presented) The method of Claim 1, wherein said reformer  
comprises an endothermic reformer.
- 20-25. (cancelled)
26. (currently amended) The method of Claim 1, further comprising the step  
of providing ~~utilizing~~ the reformat ~~in~~ to a solid oxide fuel cell to produce electricity.
27. (previously Presented) The method of Claim 1, wherein said reformat  
comprises synthesis gas.

28. (previously presented) A method of reforming diesel fuel, comprising:  
supplying a liquid fuel consisting essentially of diesel fuel to a fractional  
distillation device in fluid communication with a reformer;  
fractionally distilling said diesel fuel to produce a light fuel stream and a heavy  
fuel stream; and  
reforming said light fuel stream in said reformer to produce synthesis gas.

29. (previously presented) The method of Claim 28, further comprising  
burning said heavy fuel stream in a burner to generate thermal energy.

30. (previously presented) The method of Claim 28, wherein said diesel fuel  
comprises hydro-treated diesel fuel.

31. (previously presented) The method of Claim 28, wherein said reformer  
comprises an endothermic reformer.

32. (previously presented) The method of Claim 31, wherein said reformer  
comprises a steam reformer.

33. (currently amended) The method of Claim 28, further comprising the  
step of providing ~~utilizing~~ the synthesis gas ~~in~~ to a solid oxide fuel cell to produce electricity.

34. (previously presented) The method of Claim 1, wherein the light fuel  
stream comprises compounds having a carbon number of less than about C<sub>14</sub>, and wherein the  
heavy fuel stream comprises compounds having a carbon number of greater than about C<sub>15</sub>.

35. (currently amended) The method of Claim 2, further comprising the step of using the thermal energy in a vehicle component.

36. (previously presented) The method of Claim 35, wherein the vehicle component is the reformer.

37. (previously presented) The method of Claim 28, wherein the light fuel stream comprises compounds having a carbon number of less than about C<sub>14</sub>, and wherein the heavy fuel stream comprises compounds having a carbon number of greater than about C<sub>15</sub>.

38. (currently amended) The method of Claim 29, further comprising the step of using the thermal energy in a vehicle component.

39. (previously presented) The method of Claim 38, wherein the vehicle component is the reformer.